



UNITED STATES DEPARTMENT OF COMMERCE

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	APPLICATION NO.	FILING DATE	FIRST N	FIRST NAMED INVENTOR			ATTORNEY DOCKET NO.	
	08/932,65	2 09/18/9	97 SCHOLTEN			J	019557.0121	
Γ	BAKER & BO 2001 ROSS		QM61/	1105	コ	EXAMINER WAYNER, W		
	DALLAS TX	75201-2916	5			ART UNIT	PAPER NUMBER	
						DATE MAILED:	11/05/98	

Please find below and/or attached an Office communication concerning this application or proceeding.

Commissioner of Patents and Trademarks

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· ·	Application No.	Applicant(s)			
Office Action Summary	08 /932 65	2 JEAN	SCHOLTEN/ Group Art Unit	ET AL	
,	W.WAYNE		Group Art Unit		
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—The MAILING DATE of this communication app	ears on the cover shee	t beneath the c	orrespondence ac	ldress	
Period for Response		_			
A SHORTENED STATUTORY PERIOD FOR RESPONSE IS MAILING DATE OF THIS COMMUNICATION.	S SET TO EXPIRE	3mon	TH(S) FROM THE		
 Extensions of time may be available under the provisions of 37 CF from the mailing date of this communication. If the period for response specified above is less than thirty (30) da If NO period for response is specified above, such period shall, by Failure to respond within the set or extended period for response w 	ays, a response within the sta default, expire SIX (6) MONT	tutory minimum of THS from the mailin	thirty (30) days will be o	considered timel	
Status	, ,				
Responsive to communication(s) filed on	# 9/18/9	7		·	
☐ This action is FINAL.					
 Since this application is in condition for allowance exce accordance with the practice under Ex parte Quayle, 1 			the merits is clos	sed in	
Disposition of Claims					
Ø Claim(s)/-48		is/are	_ is/are pending in the application.		
Of the above claim(s)	is/are withdrawn from consideration.				
□ Claim(s)		is/are	_ is/are allowed. _ is/are rejected.		
& Claim(s) 1-6, 8, 15-20, 22, 29-	34,36,43-	- <i>49</i> is/are			
Claim(s) $1-6$, 8 , $15-20$, 22 , $29-14$ (Claim(s) $1-6$, $15-20$, $15-20$, $15-20$) (Claim(s) $15-20$, 15	is/are	is/are objected to.			
□ Claim(s)		are subject to restriction or election requirement.			
Application Papers		requir	ement.		
See the attached Notice of Draftsperson's Patent Draw	ving Review, PTO-948.				
☐ The proposed drawing correction, filed on	is 🗆 approve	d □ disapprove	ed.		
☐ The drawing(s) filed on is/are obj	ected to by the Examine	r.			
$\hfill\Box$ The specification is objected to by the Examiner.					
☐ The oath or declaration is objected to by the Examiner	•				
			1		
Priority under 35 U.S.C. § 119 (a)-(d)					
Priority under 35 U.S.C. § 119 (a)-(d) Acknowledgment is made of a claim for foreign priority All Some* None of the CERTIFIED copies received. received in Application No. (Series Code/Serial Num	of the priority documents	s have been			
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 □ Acknowledgment is made of a claim for foreign priority □ All □ Some* □ None of the CERTIFIED copies □ received. □ received in Application No. (Series Code/Serial Nun □ received in this national stage application from the I *Certified copies not received: 	of the priority documents nber) nternational Bureau (PC	T Rule 1 7.2(a))		·	
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Art Unit: 3744

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The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

Claims 1, 2, 4, 5, 15, 16, 18, 19, 29, 30, 32, 33, , 45, 46 and 48 are rejected under 35 U.S.C. 103(a) as being unpatentable over Nurczyk taken in combination with Official Notice, Matsunaga, Takahashi et al. Nurczyk shows the combination of a variable air volume terminal in which a room temperature sensor 60 along with a temperature set point device generates an air flow set point (i.e. a commanded valve position), an air flow sensor 62 output which is compared with the commanded valve position and a controlled air volume damper 50. Official notice is taken that plural flow sensing inputs are conventionally used to determine air flow rate. The secondary references show that it is conventional in automatic control to implement a comparison of a set point and a measured variable using fuzzy logic. The applicant has apparently conceded this point in view of the lack of an explanation in detail regarding this procedure. In order to provide a more detailed operative disclosure, it would have been obvious to provide plural flow sensors and fuzzy logic into the primary references.

Claims 3, 8, 17, 22, 31 and 36 are rejected under 35 U.S.C. 103(a) as being unpatentable over the art as applied claim 1 and further note of Tate et al, which shows remote and local control of an air terminal. In order to achieve wider control capability, it would have been obvious to provide Nurczyk with remote control.

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Claims 6, 20 and 34 are rejected under 35 U.S.C. 103(a) as being unpatentable over the art as applied to claim 1 and further in view of Natale et al which shuts down air flow in response to a fire condition.

In order to prevent the spreading of a fire it would have been obvious to provide the primary reference with a fire mode control.

The following is a quotation of the first paragraph of 35 U.S.C. 112:

The specification shall contain a written description of the invention, and of the manner and process of making and using it, in such full, clear, concise, and exact terms as to enable any person skilled in the art to which it pertains, or with which it is most nearly connected, to make and use the same and shall set forth the best mode contemplated by the inventor of carrying out his invention.

Claims 43-48 are rejected under 35 U.S.C. 112, first paragraph, as containing subject matter which was not described in the specification in such a way as to reasonably convey to one skilled in the relevant art that the inventor(s), at the time the application was filed, had possession of the claimed invention. These claims are considered to be directed to new matter because the original specification and claims were only directed to an air volume controller and there is nothing in the original case which would indicate that the instant control scheme was intended to be used on any medium except air. The reference to col. 7 concerning the use of hot water is clearly an add-on feature to the basic air volume controller.

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Claims 7, 9-14, 21, 23-28, 35, 37-42 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

W. Wayner:lm October 16, 1998 (703) 308-1041

William Wayner
Primary Examiner